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FILE 'HOME' ENTERED AT 12:52:10 ON 23 OCT 2002

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FILE COVERS 1907 - 23 Oct 2002 VOL 137 ISS 17  
FILE LAST UPDATED: 22 Oct 2002 (20021022/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s flavon?  
L1 34878 FLAVON?

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=> s 11 and ascorb?  
81895 ASCORB?  
1.2 921 L1 AND ASCORB?
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=> s 12 and oxidation
368961 OXIDATION
4493 OXIDATIONS
370451 OXIDATION
(OXIDATION OR OXIDATIONS)
627791 OXIDN
8038 OXIDNS
629447 OXIDN
(OXIDN OR OXIDNS)
```

756497 OXIDATION  
(OXIDATION OR OXIDN)

L3 171 L2 AND OXIDATION

=> s 13 and cosmetic  
40928 COSMETIC  
41850 COSMETICS  
55522 COSMETIC  
(COSMETIC OR COSMETICS)

L4 3 L3 AND COSMETIC

=> s 14 and glycosylrutin  
3 GLYCOSYLRUTIN  
L5 0 L4 AND GLYCOSYLRUTIN

=> d ibib abs hitstr 14 1-3

14 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:561789 CAPLUS  
 DOCUMENT NUMBER: 131:189496  
 TITLE: Application of flavones, flavanones, or  
 flavonoids as protection for ascorbic  
 acid and/or ascorbyl compounds from  
 oxidation  
 INVENTOR(S): Kruse, Inge; Schoenrock, Uwe  
 PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany  
 SOURCE: Ger. Offen., 18 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19807774	A1	19990826	DE 1998-19807774	19980224
US 2002013481	A1	20020131	US 1999-243569	19990203
EP 945128	A2	19990929	EP 1999-101745	19990211
EP 945128	A3	19991222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11279167	A2	19991012	JP 1999-41753	19990219
PRIORITY APPLN. INFO.: AB			DE 1998-19807774 A	19980224
Cosmetic or dermatol. preps. for prevention and treatment of skin aging, dermatosis, photodermatoses, etc. which contain ascorbic acid and/or ascorbyl compds. as well as flavones, flavanones, or flavonoids show enhanced effectiveness. The flavones, flavanones, and flavonoids also protect ascorbic acid and ascorbyl compds. in these preps. from oxidn. The effect is further enhanced by addn. of complexing agents. Similar preps. can be used to prevent oxidative damage to the hair from hair dyes and bleaches. Thus, an oil-in-water gel contained xanthan gum 2.00, butylene glycol 3.00, di-Na EDTA 0.20, MgSO <sub>4</sub> 0.70, 45% NaOH 0.32, ascorbic acid 1.00, alpha-glucosylrutin 0.20, preservative, perfume, dye, and H <sub>2</sub> O to 100.00 wt.-%.				
REFERENCE COUNT:	9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

14 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:538086 CAPLUS  
 DOCUMENT NUMBER: 131:189489  
 TITLE: Intercalation compounds and the stabilization of  
 oxidation-sensitive and/or UV-sensitive  
 substances  
 INVENTOR(S): Scheel, Oliver; Gers-Barlag, Heinrich; Schwieger,  
 Wilhelm; Herrmann, Ralph  
 PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany  
 SOURCE: Ger. Offen., 16 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19805572	A1	19990819	DE 1998-19805572	19980212
AB			Oxidn.-sensitive and/or UV-sensitive substances in cosmetic and dermatol. sunscreen preps. are protected by incorporation into intercalation compds. with nanoporous solid carriers such as aluminophosphates, zeolites, or layered silicates with a mean pore size >10Å. Thus, a soln. of 15 g 4-(tert-butyl)-4'- methoxydibenzoylmethane (I) in 1 L EtOH was mixed with 110 g aluminophosphate VPI-5 (Al <sub>18</sub> Pt <sub>18</sub> O <sub>72</sub> .42H <sub>2</sub> O) and the mixt. was stirred for 14 days at room temp. and then at 77° for 7 h. The intercalate was sepd., washed with EtOH, dried, and held at 100° for 3 h, whereupon the pore size of the carrier decreased, resulting in fixation of I in the pores of the aluminophosphate. An oil-in-water sunscreen lotion contained this intercalate 10.00, glyceryl stearate 3.50, stearic acid 1.80, glycerin 3.00, cetostearyl alc. 0.50, 45% NaOH 0.20, octyldodecanol 7.00, dicapryl ether 8.00, 2,4,6-trianilino-(p-carbo-2'-ethyl-1'-hexyloxy)-1,3,5- triazine 3.00, 2-ethylhexyl p-methoxycinnamate 8.00, 2,2-dimethyl-1,3- propanediol diheptanate 6.00, Carbomer 0.20, preservative, perfume, and demineralized water to 100.00 wt.-%.	
REFERENCE COUNT:	13	THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

14 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1999:237416 CAPLUS  
 DOCUMENT NUMBER: 131:49174  
 TITLE: Natural and synthetic antioxidants in  
 cosmetics  
 AUTHOR(S): Gora, Jozef  
 CORPORATE SOURCE: Inst. Podstaw. Chem. Zywosci, Politech. Lodzka, Lodz,  
 Pol.  
 SOURCE: Pollena: Tluszcze, Srodki Piorace, Kosmetyki (1997),  
 41(8), 321-324  
 CODEN: PTSKDF; ISSN: 0208-8711  
 PUBLISHER: Bointe Centre  
 DOCUMENT TYPE: Journal; General Review  
 LANGUAGE: Polish  
 AB A review with 9 refs. The relation between antioxidants and good health  
 has been long established. In terms of beauty and functionality, recent  
 studies have indicated that certain antioxidants enhance the performance  
 of cosmetics and toiletries and play an important role in hair,  
 skin, and nails. Natural and synthetic antioxidants inhibit oxidn  
 of unsatd. lipids. They function as electron donors and react directly  
 with free radicals. Natural antioxidants such as vitamin E, esters of  
 ascorbic acid, rosmarinic acid, and flavonoids have a  
 major role in providing protection against internal and external free  
 radical generators and scavenge reactive oxygen species involved in the  
 initiation of lipid peroxidn., such as singlet oxygen and superoxide  
 radicals.

=> log y		
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